

AMENDMENTS

IN THE SPECIFICATION:

Please amend paragraph 51 on page 12 as shown below:

In exemplary embodiments, iSe can be administered in an amount of, for example, about 0.25 mg/kg, about 0.5 mg/kg, about 1.0 mg/kg, about 1.5 mg/kg, about 3.0 mg/kg, about 6.0 mg/kg, or more with the proviso that a desirable therapeutic index is achieved while providing for alteration of the redox state in the cancerous cell. In some embodiments, iSe compound is administered in amounts ranging from 0.5 mg/kg to 4.0 mg/kg, usually 1.0 mg/kg to 3.0 mg/kg. In some embodiments, the amount of iSe compound administered is greater than 1.7 mg/kg, or greater than 2.0 mg/kg. Doses of iSe are generally greater than that normally associated with use of iSe as a chemopreventive agent, and can be greater than that used in supportive cancer therapy (in which iSe is administered as a protective agent for normal cells in cancer therapy, but not as an anti-cancer agent itself). For example, iSe compounds can be administered at doses greater than 200 µg per day (e.g., for a 75 [[kb]] **kg** individual, usually by oral administration). Doses of iSe compounds for the therapies of the invention are generally about 10 to 20 fold greater than doses conventionally administered for chemoprevention.